

DRILL HOLES

DRILL HOLES

DRILL HOLES

Border Rev: Date: March 12, 2008 007

BY: \$USER\$

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF RED LIGHT CAMERA EQUIPMENT TO THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF US 29 (COLESVILLE RD.) NB AND DALE DRIVE.

LANES MONITORED - 2 LEFT/THRU, 1 THRU, AND 1 RIGHT/THRU.

INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN UNCHANGED.

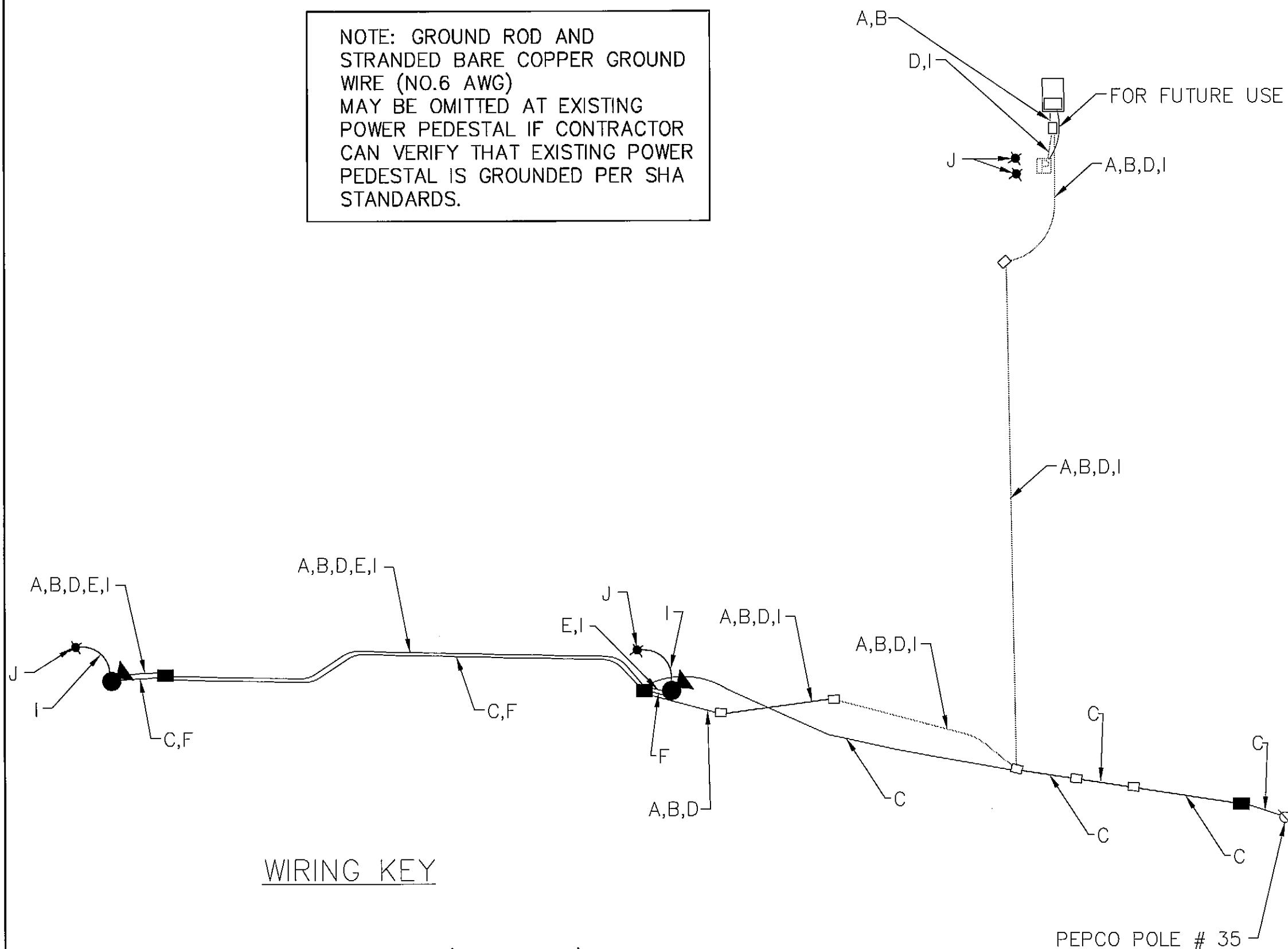
EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE SHA
NONE

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

QUANTITY	UNITS	DESCRIPTION
LUMP SUM	LS	MAINTENANCE OF TRAFFIC
LUMP SUM	LS	MOBILIZATION
2	CY	TEST PIT EXCAVATION
1	EA	RLCS-1 CAMERA ASSEMBLY
2	EA	RLCS-1 FLASH ASSEMBLY
2	EA	SENSYS RECEIVER ASSEMBLY
1	EA	10' PEDESTAL POLE
1	EA	14' PEDESTAL POLE
3	EA	#5 PULL BOXES
1	EA	20 AMP SERVICE PEDESTAL BREAKER
330	LF	2 IN PVC CONDUIT (SCHEDULE 80) - TRENCHED
670	LF	115 V POWER SIGNAL PHASE-7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
4	EA	GROUND ROD - 3/4 IN. X 10 FT. LENGTH
330	LF	POWER (3) #10 CONDUCTORS THHN (HOT, NEUTRAL, AND GROUND)
240	LF	CAT 5e SHIELDED (BELDEN 7919A OR EQ.)
240	LF	115 V POWER 4 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
330	LF	STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
25	LF	(3) 1-CONDUCTOR CABLE (NO. 8 AWG)
2.75	CY	CONCRETE FOR PEDESTAL POLE FOUNDATIONS
		(1) 3" PVC 90, (1) 2" PVC 90 AND (1) 1" PVC 90 EACH

NOTE: GROUND ROD AND STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG) MAY BE OMITTED AT EXISTING POWER PEDESTAL IF CONTRACTOR CAN VERIFY THAT EXISTING POWER PEDESTAL IS GROUNDED PER SHA STANDARDS.



WIRING KEY

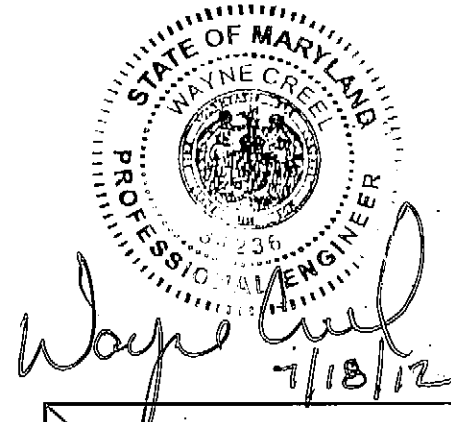
- A 7-CONDUCTOR CABLE (NO. 14 AWG)THRU LANES
- B 7-CONDUCTOR CABLE (NO. 14 AWG)LEFT HAND TURN LANE
- C COMCAST TO PROVIDE CABLE
- D (3) #10 CONDUCTORS THHN (HOT, NEUTRAL, GROUND)
- E (2) 4-CONDUCTOR CABLE (NO. 14 AWG)
- F (4) CAT 5e SHIELDED (BELDEN 7919a OR EQ.)
- H (3) 1-CONDUCTOR CABLE (NO. 8 AWG)
- I STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
- J PROPOSED GROUND ROD - 3/4 IN. X 10 FT. LENGTH

NOTE: ALL CAT 5E CABLE TERMINATIONS WILL REQUIRE SENTINEL 106S08080058C34 ENDS AND A SENTINEL 90007 RATCHET HAND TOOL

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY WITH ACS CONSTRUCTION MANAGER AND SHA INSPECTOR ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
2. GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF RED LIGHT EQUIPMENT.
3. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
4. THE CONTRACTOR IS TO BE AWARE THAT THE SHA HAS EXISTING UNDERGROUND CONDUITS, TRAFFIC SIGNAL INTERCONNECT CABLES AND ROADS SIGN IN THE VICINITY OF PROPOSED EQUIPMENT. ANY DAMAGE TO THESE FACILITY'S AS A RESULT OF THE CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR HIS CLIENT TO REPAIR OR REPLACE.
5. CONTACT MONTGOMERY COUNTY SIGNAL SHOP (301-279-1291) AT LEAST 72 HOURS IN ADVANCE OF PROPOSED WORK TO ARRANGE FOR CABINET WIRING.
 - * MONTGOMERY COUNTY ENGINEER - KAMAL HAMUD 240-777-8761
 - * MONTGOMERY COUNTY TECHNICIAN SUPERVISOR ROBERT RICKETS 240-876-3681
6. CONTACT SHA TRAFFIC CONTROL DEVICE INSPECTION SECTION AT LEAST 72 HOURS IN ADVANCE OF ANY WORK TO ARRANGE FOR INSPECTION SERVICES.
 - * SHA INSPECTION TEAM LEADER - ADRIAN PUGH 410-787-7645

Red Light Camera
BW313M83
US 29 @ Dale Drive



SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

WIRING KEY
US 29 (COLESVILLE RD.) NB AND DALE DRIVE

APPROVALS	REVISIONS
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

PLOTTED: \$DATE\$
FILE: \$FILE\$

ACS
A xerox Company
12410 MILESTONE CENTER DR. 4TH FLOOR
GERMANTOWN, MD 20876